Form PTO-1449  
(modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
941004(EP)USC1X

SERIAL NO.

~~400387~~ 09/307289INFORMATION DISCLOSURE  
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ADRIAN P. WISE ET ALFILING DATE  
MARCH 7, 1995GROUP  
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FR 1.98(b))

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | PATENT NUMBER | ISSUE<br>DATE | PATENTEE             | CLASS | SUBCLASS | FILING DATE<br>IF C<br>APPROPRIATE |
|---------------------|----|---------------|---------------|----------------------|-------|----------|------------------------------------|
| JH                  | AA | 3875391       | 04/01/75      | SHAPIRO ET AL        | 235   | 156      | 11/02/73                           |
| JH                  | AB | 4225920       | 09/30/80      | STOKES               | 364   | 200      | 09/11/78                           |
| JH                  | AC | 4228497       | 10/14/80      | GUPTA ET AL          | 364   | 200      | 11/17/77                           |
| JH                  | AD | 4307447       | 12/22/81      | PROVANZANO ET<br>AL  | 364   | 200      | 06/19/79                           |
| JH                  | AE | 4467409       | 08/21/84      | POTASH ET AL         | 364   | 200      | 08/05/80                           |
| JH                  | AF | 4617657       | 10/14/86      | DRYNAN ET AL         | 370   | 60       | 12/31/84                           |
| JH                  | AG | 4710866       | 12/01/87      | ZOLNOWSKY ET AL      | 364   | 200      | 10/07/86                           |
| JH                  | AH | 4809159       | 02/28/89      | SOWA                 | 364   | 200      | 01/21/88                           |
| JH                  | AI | 4811214       | 03/07/89      | NOSENCHUCK ET<br>AL  | 364   | 200      | 11/14/86                           |
| JH                  | AJ | 4811413       | 03/07/89      | KIMMEL               | 382   | 41       | 10/22/87                           |
| JH                  | AK | 4841436       | 06/20/89      | ASANO ET AL          | 364   | 200      | 05/30/86                           |
| JH                  | AL | 4855947       | 08/08/89      | ZIM SLOWSKI ET<br>AL | 364   | 200      | 05/27/87                           |
| JH                  | AM | 4922418       | 05/01/90      | DOLECEK              | 364   | 200      | 01/15/88                           |
| JH                  | AN | 4953082       | 08/28/90      | NOMURA ET AL         | 364   | 200      | 02/15/89                           |
| JH                  | AO | 4989138       | 01/29/91      | RADOCHONSKI          | 364   | 200      | 05/14/90                           |
| JH                  | AP | 5043880       | 08/27/91      | YOSHIDA              | 364   | 200      | 01/23/89                           |
| JH                  | AQ | 5184347       | 02/02/93      | Farwell et al.       | 370   | 94.1     | 07/09/91                           |
| JH                  | AR | 5203003       | 04/13/93      | DONNER               | 395   | 800      | 03/28/91                           |
| JH                  | AS | 5218436       | 06/08/93      | SUGIYAMA ET AL       | 358   | 141      | 01/23/91                           |
| JH                  | AT | 5227863       | 07/13/93      | Bilbrey et al.       | 348   | 578      | 08/07/90                           |
| JH                  | AU | 5297263       | 03/22/94      | OHTSUKA ET AL        | 395   | 375      | 04/17/92                           |
| JH                  | AV | 5301344       | 04/05/94      | KOLCHINSKY           | 395   | 800      | 01/29/91                           |

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*Adrian P. Wise*

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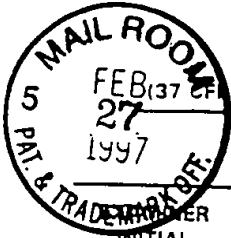
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| INITIAL |    | PATENT NUMBER | ISSUE DATE | PATENTEE       | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------|----|---------------|------------|----------------|-------|----------|----------------------------|
| JH      | AW | 5309563       | 05/03/94   | FARRAND ET AL  | 395   | 200      | 09/09/91                   |
| JH      | AX | 5329313       | 07/12/94   | KEITH          | 348   | 422      | 10/01/93                   |
| JH      | AY | 5329619       | 07/12/94   | PAGE ET AL     | 395   | 200      | 10/30/92                   |
| JH      | AZ | 5333212       | 07/26/94   | LIGTENBERG     | 382   | 56       | 11/17/92                   |
| JH      | BA | 5333266       | 07/26/94   | BOAZ ET AL     | 395   | 200      | 03/27/92                   |
| JH      | BB | 5341371       | 08/23/94   | SIMPSON        | 370   | 85.4     | 05/24/91                   |
| JH      | BC | 5406279       | 04/11/95   | ANDERSON ET AL | 341   | 51       | 09/02/92                   |
| JH      | BD | 5414813       | 05/09/95   | SHIOBARA       | 395   | 200      | 11/01/93                   |
| JH      | BE | 5442790       | 08/15/95   | NOSENCHUCK     | 395   | 700      | 03/09/94                   |
| JH      | BF | 5446866       | 08/29/95   | DRAKO ET AL    | 395   | 500      | 01/30/92                   |
| JH      | BG | 5450599       | 09/12/95   | HORVATH ET AL  | 395   | 800      | 06/04/92                   |
| JH      | BH | 5452006       | 09/19/95   | AULD           | 348   | 390      | 10/25/93                   |
| JH      | BI | 5461679       | 10/24/95   | NORMILE ET AL  | 395   | 650      | 05/14/93                   |
| JH      | BJ | 5481689       | 01/02/96   | STAMM ET AL    | 395   | 412      | 08/13/93                   |
| JH      | BK | 5487064       | 01/23/96   | GALAND ET AL   | 370   | 60       | 05/31/94                   |
| JH      | BL | 5490247       | 02/06/96   | TUNG ET AL     | 395   | 162      | 11/24/93                   |
| JH      | BM | 5497498       | 03/05/96   | TAYLOR         | 395   | 800      | 09/28/93                   |
| JH      | BN | 5504869       | 04/02/96   | UCHIDA         | 395   | 375      | 07/15/94                   |
| JH      | BO | 5535290       | 07/09/96   | Allen          | 382   | 250      | 09/11/95                   |
| JH      | BP | 5566089       | 10/15/96   | HOOGENBOOM     | 364   | 514A     | 10/26/94                   |
| JH      | BQ | 5579052       | 11/26/96   | Artieri        | 348   | 416      | 05/24/94                   |

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John H. Harty

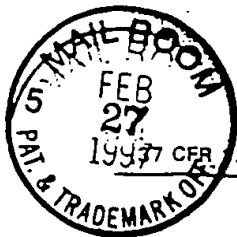
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MARCH 7, 1995GROUP  
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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

| EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION<br>YES   NO |
|---------------------|-----|-----------------|---------------------|-----------------------------|-------|----------|-------------------------|
| JH                  | F01 | 0618728         | 05.10.94            | EP                          |       |          |                         |
| JH                  | F02 | 9425935         | 11/10/94            | WO                          | G06K  | 15/00    | NO                      |

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

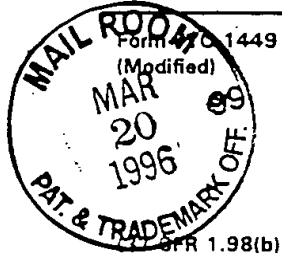
| EXAMINER<br>INITIAL |     | DOCUMENT IDENTIFICATION  |
|---------------------|-----|--|
| JH                  | P01 | ELLIOTT J A ET AL: "REAL-TIME SIMULATION OF VIDEOPHONE IMAGE CODING ALGORITHMS ON RECONFIGURABLE MULTICOMPUTERS," IEEE PROCEEDINGS E. COMPUTERS & DIGITAL TECHNIQUES, VOL. 139, NO. 3 PART E., 05/01/92, PP 269-279, XP0000306411.   |
| JH                  | P02 | HONG, YANG-CHANG; T.H. PAYNE. A HYBRID APPROACH FOR EFFICIENT DATAFLOW COMPUTING, COMPUTERS AND COMMUNICATIONS, 1990 INT'L PHOENIX CONFERENCE. IEEE PUBLICATIONS, MAY 1990 PP 170-178.   |
| JH                  | P03 | KAORU, UCHIDA ET AL: "A PIPELINED DATAFLOW PROCESSOR ARCHITECTURE BASED ON A VARIABLE LENGTH TOKEN CONCEPT," ARCHITECTURE, UNIVERSITY PARK, AUG. 15 - 19, 1988, VOL. 1, 15 AUGUST 1988, BRIGGS F A, PP 209-216, XP000079309.   |
| JH                  | P04 | KOPET, TOM: "PROGRAMMABLE ARCHITECTURES FOR REAL-TIME VIDEO COMPRESSION," 4TH INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING APPLICATIONS & TECHNOLOGY, VOL. 2, 09/28/93 - 10/01/93, SANTA CLARA, CALIFORNIA, USA, PP 1031-1038.  |
| JH                  | P05 | MAYER, A.C.: "THE ARCHITECTURE OF A SINGLE-CHIP PROCESSOR ARRAY FOR VIDEOCOMPRESSION," PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS, ROSEMONT, JUNE 8-10, 1993, NO. CONF. 12, 08/06/93, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, PP 294-95, XP0000427624. |
| JH                  | P06 | NORMILE, JAMES. DAN WRIGHT, IMAGE COMPRESSION USING COARSE GRAIN PARALLEL PROCESSING, ICASSP 1991: ACOUSTICS, SPEECH & SIGNAL PROCESSING CONFERENCE, IEEE PUBLICATIONS. JULY 1991 PP 1121-1124   |
| JH                  | P07 | TOKUMICHI MURAKAMI ET AL: "A DSP ARCHITECTURAL DESIGN FOR LOW BIT-RATE MOTION VIDEO CODEC," IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS, VOL. 36, NO. 10, 10/1/89, PP 1267-1274, XP000085313.  |
| JH                  | P09 | YANG, KUN-MIN. VLSI ARCHITECTURE DESIGN OF A VERSATILE VARIABLE LENGTH DECODING CHIP FOR REAL-TIME VIDEO CODECS. TENCON 1990 IEEE REGION 10 CONFERENCE ON COMPUTER AND COMMUNICATION..., IEEE PUBLICATIONS FEBRUARY 1990, PP 551-554.  |

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Wise et al.FILING DATE  
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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | PATENT NUMBER |   |   |   |   |   |   | ISSUE<br>DATE | PATENTEE         | CLASS | SUBCLASS | FILING DATE<br>IF APPLICABLE |
|---------------------|----|---------------|---|---|---|---|---|---|---------------|------------------|-------|----------|------------------------------|
| JH                  | AA | 3             | 8 | 9 | 3 | 0 | 4 | 2 | 7/1/75        | Whitman et al.   | 331   | 55       | 12/12/73                     |
| previously filed    | AB | 3             | 9 | 6 | 2 | 6 | 8 | 5 | 6/8/76        | Belle Isle       | 340   | 472.5    | 6/3/74                       |
| JH                  | AC | 4             | 1 | 0 | 7 | 7 | 8 | 0 | 8/15/78       | Grimsdale et al. | 364   | 521      | 1/25/77                      |
| JH                  | AD | 4             | 1 | 4 | 2 | 2 | 0 | 5 | 2/27/79       | linuma           | 358   | 13       | 7/19/77                      |

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

|    |    | DOCUMENT NUMBER |   |   |   |   |   |   | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|----|----|-----------------|---|---|---|---|---|---|---------------------|-----------------------------|-------|----------|-------------|----|
|    |    |                 |   |   |   |   |   |   |                     |                             |       |          | YES         | NO |
| JH | AE | 0               | 1 | 9 | 6 | 9 | 1 | 1 | 08.10.86            | EP                          |       |          |             |    |
| JH | AF | 0               | 2 | 5 | 5 | 7 | 6 | 7 | 10.02.88            | EP                          |       |          |             |    |
| JH | AG | 0               | 4 | 6 | 8 | 4 | 8 | 0 | 29.01.92            | EP                          |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

|                  |    |  |
|------------------|----|--|
| previously cited | AH | Chong, "A Data Flow Architecture For Digital Image Processing," WesconTech. Papers No. 4/6, 10/30/84, Anaheim, California, USA, pp. 1-10   |
| JH               | AI | P. Yip, et al., "DIT and DIF Algorithm for Discrete Sine and Cosine Transforms" Proceedings of the International Symposium on Circuits and Systems, IEEE Press, New York, US, Vol. 2/3, 5 June 1985, Kyoto, JP, pages 941-944      |
| JH               | AJ | Hsieh S. Hou, "A Fast Recursive Algorithm for Computing the Discrete Cosine Transform," IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. 35, No. 10, October 1987, IEEE Press, New York, US, pages 1455-1461    |
| previously cited | AK | Komori et al., "An Elastic Pipeline Mechanism By Self-Timed Circuits, IEEE Journal Of Solid State Circuits, Vol. 23, No. 1, 2/88, New York, NY, USA, pp. 111-117   |
| JH               | AL | A. Gupta et al., "A Fast Recursive Algorithm for the Discrete Sine Transform," IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. 38, No. 3, March 1990, IEEE Press, New York, US, pages 553-557                  |
| JH               | AM | H.R. Wu, et al., "A Two Dimensional Fast Cosine Transform Algorithm Based on Hou's Approach," IEEE Transaction on Acoustics, Speech, and Signal Processing, Vol. 39, No. 2, February 1991, IEEE Press, New York, US, pages 544-546 |

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| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary) |  | APPLICANT<br>Wise et al.                     |   |
| (37 CFR 1.98(b))  |  | FILING DATE<br>03/07/95                      | GROUP<br>2317 2783                            |

## U.S. PATENT DOCUMENTS

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| previously filed    | AN | 4             | + | 4 | 9 | 2 | 4 | 2 | 4/10/79       | Pire              | 364   | 200      | 5/6/77                        |
| JH                  | AO | 4             | 1 | 9 | 6 | 4 | 4 | 8 | 4/1/80        | Whitehouse et al. | 358   | 135      | 5/15/78                       |
| JH                  | AP | 4             | 2 | 1 | 5 | 3 | 6 | 9 | 7/29/80       | Iijima            | 358   | 146      | 12/15/78                      |
| JH                  | AQ | 4             | 3 | 0 | 2 | 7 | 7 | 5 | 11/24/81      | Widergren et al.  | 358   | 136      | 12/15/78                      |
| JH                  | AR | 4             | 3 | 3 | 4 | 2 | 4 | 6 | 6/8/82        | Saran             | 358   | 261      | 5/16/80                       |
| JH                  | AS | 4             | 4 | 3 | 3 | 3 | 0 | 8 | 2/21/84       | Hirata            | 331   | 17       | 12/3/81                       |
| JH                  | AT | 4             | 4 | 3 | 7 | 0 | 7 | 2 | 3/13/84       | Asami             | 331   | 1A       | 9/21/82                       |
| JH                  | AU | 4             | 4 | 9 | 5 | 6 | 2 | 9 | 1/22/85       | Zasio et al.      | 377   | 70       | 1/25/83                       |
| JH                  | AV | 4             | 5 | 4 | 0 | 9 | 0 | 3 | 9/10/85       | Cooke et al.      | 307   | 465      | 10/17/83                      |

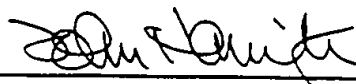
## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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|----|----|-----------------|---|---|---|---|---|---|---------------------|-----------------------------|-------|----------|-------------|----|
|    |    |                 |   |   |   |   |   |   |                     |                             |       |          | YES         | NO |
| JH | AW | 0               | 5 | 7 | 2 | 2 | 6 | 2 | 01.12.93            | EP                          |       |          |             |    |
| JH | AX | 0               | 5 | 7 | 2 | 2 | 6 | 3 | 01.12.93            | EP                          |       |          |             |    |
| JH | AY | 0               | 5 | 7 | 6 | 7 | 4 | 9 | 05.01.94            | EP                          |       |          |             |    |
| JH | AZ | 0               | 5 | 8 | 9 | 7 | 3 | 4 | 30.03.94            | EP                          |       |          | X           |    |
| JH | BA | 0               | 6 | 3 | 9 | 0 | 3 | 2 | 15.02.95            | EP                          |       |          |             |    |
| JH | BB | 2               | 0 | 4 | 5 | 0 | 3 | 5 | 22.10.80            | GB                          |       |          |             |    |
| JH | BC | 2               | 0 | 5 | 9 | 7 | 2 | 4 | 23.04.81            | GB                          |       |          |             |    |
| JH | BD | 2               | 1 | 7 | 1 | 5 | 7 | 8 | 28.08.86            | GB                          |       |          |             |    |
| JH | BE | 2               | 1 | 9 | 4 | 0 | 8 | 5 | 24.02.88            | GB                          |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

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| (37 CFR 1.98(b))  |  | FILING DATE<br>03/07/95                      | GROUP<br><del>2317</del> 2783                |

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| JH                  | BI | 4             | 5 | 8 | 0 | 0 | 6 | 6 |  | 4/1/86        | Berndt                | 307   | 276      | 3/22/84                       |
| JH                  | BJ | 4             | 6 | 3 | 0 | 1 | 9 | 8 |  | 12/16/86      | I Yuan                | 364   | 200      | 2/21/84                       |
| JH                  | BK | 4             | 6 | 4 | 6 | 1 | 5 | 1 |  | 2/24/87       | Welles II et al.      | 358   | 149      | 2/1/85                        |
| JH                  | BL | 4             | 6 | 7 | 9 | 1 | 6 | 3 |  | 7/7/87        | Arnould et al.        | 364   | 725      | 3/8/85                        |
| JH                  | BM | 4             | 7 | 4 | 7 | 0 | 7 | 0 |  | 5/24/88       | Trottier et al.       | 364   | 900      | 1/9/84                        |
| JH                  | BN | 4             | 7 | 8 | 5 | 3 | 4 | 9 |  | 11/15/88      | Keith et al.          | 358   | 136      | 10/5/87                       |
| previously filed    | BO | 4             | 7 | 8 | 9 | 9 | 2 | 7 |  | 12/6/88       | Hennah                | 364   | 200      | 4/7/86                        |
| JH                  | BP | 4             | 7 | 9 | 9 | 6 | 7 | 7 |  | 1/24/89       | Frederiksen           | 273   | 1E       | 2/24/86                       |
| previously filed    | BQ | 4             | 8 | 2 | 3 | 2 | 0 | + |  | 4/18/89       | Simon et al.          | 358   | 133      | 11/16/87                      |
| JH                  | BR | 4             | 8 | 2 | 9 | 4 | 6 | 5 |  | 5/9/89        | Knauer et al.         | 364   | 725      | 6/19/86                       |
| JH                  | BS | 4             | 8 | 3 | 1 | 4 | 4 | 0 |  | 5/16/89       | Borgers et al.        | 358   | 133      | 3/24/88                       |
| JH                  | BT | 4             | 8 | 6 | 6 | 5 | 1 | 0 |  | 9/12/89       | Goodfellow et al.     | 358   | 13       | 9/30/88                       |
| previously filed    | BU | 4             | 8 | 6 | 6 | 6 | 3 | 7 |  | 9/12/89       | Gonzalez Lopez et al. | 364   | 518      | 10/30/87                      |
| JH                  | BV | 4             | 8 | 8 | 7 | 2 | 2 | 4 |  | 12/12/89      | Okano et al.          | 364   | 518      | 8/24/87                       |

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|    |    | DOCUMENT NUMBER |   |   |   |   |   |   |  | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|----|----|-----------------|---|---|---|---|---|---|--|---------------------|-----------------------------|-------|----------|-------------|----|
|    |    |                 |   |   |   |   |   |   |  |                     |                             |       |          | YES         | NO |
| JH | BW | 2               | 2 | 6 | 8 | 0 | 3 | 5 |  | 22.12.93            | GB                          |       |          |             |    |
| JH | BX | 2               | 2 | 6 | 9 | 0 | 7 | 0 |  | 26.01.94            | GB                          |       |          |             |    |
|    | BY |                 |   |   |   |   |   |   |  |                     |                             |       |          |             |    |
|    | BZ |                 |   |   |   |   |   |   |  |                     |                             |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

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| CB |  |
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*John Smith*

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~~007400-297~~ 09/30/239INFORMATION DISCLOSURE  
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| EXAMINER<br>INITIAL |    | PATENT NUMBER |   |   |   |   |   |   | ISSUE<br>DATE | PATENTEE           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|---------------|---|---|---|---|---|---|---------------|--------------------|-------|----------|-------------------------------|
| JH                  | CD | 4             | 8 | 9 | 1 | 7 | 8 | 4 | 1/2/90        | Kato et al.        | 364   | 900      | 1/8/88                        |
| JH                  | CE | 4             | 9 | 0 | 3 | 0 | 1 | 8 | 2/20/90       | Wiebach et al.     | 341   | 51       | 7/16/86                       |
| JH                  | CF | 4             | 9 | 1 | 2 | 6 | 6 | 8 | 3/27/90       | Aubie et al.       | 364   | 725      | 6/5/87                        |
| JH                  | CG | 4             | 9 | 2 | 2 | 3 | 4 | 1 | 5/1/90        | Strobach           | 358   | 136      | 9/26/88                       |
| JH                  | CH | 4             | 9 | 2 | 4 | 2 | 9 | 8 | 5/8/90        | Kitamura           | 358   | 12       | 9/15/88                       |
| JH                  | CI | 4             | 9 | 2 | 4 | 3 | 0 | 8 | 5/8/90        | Fauchtwanger       | 358   | 133      | 3/7/89                        |
| JH                  | CJ | 4             | 9 | 7 | 5 | 5 | 9 | 5 | 12/4/90       | Roberts et al.     | 307   | 272.2    | 7/20/88                       |
| JH                  | CK | 4             | 9 | 9 | 1 | 1 | 1 | 2 | 2/5/91        | Callemyn           | 364   | 518      | 12/21/88                      |
| JH                  | CL | 5             | 0 | 0 | 3 | 2 | 0 | 4 | 3/26/91       | Cushing et al.     | 307   | 465      | 12/19/89                      |
| JH                  | CM | 5             | 0 | 2 | 7 | 2 | 1 | 2 | 6/25/91       | Marlton et al.     | 358   | 183      | 12/6/89                       |
| JH                  | CN | 5             | 0 | 3 | 8 | 2 | 0 | 9 | 8/6/91        | Hang               | 358   | 136      | 8/6/91                        |
| JH                  | CO | 5             | 0 | 5 | 3 | 9 | 8 | 5 | 10/1/91       | Friedlander et al. | 364   | 725      | 10/19/89                      |
| JH                  | CP | 5             | 0 | 5 | 7 | 7 | 9 | 3 | 10/15/91      | Cowley et al.      | 331   | 1A       | 10/29/90                      |
| JH                  | CQ | 5             | 0 | 6 | 0 | 2 | 4 | 2 | 10/22/91      | Arbeiter           | 375   | 122      | 2/24/89                       |
| JH                  | CR | 5             | 0 | 8 | 1 | 4 | 5 | 0 | 1/14/92       | Lucas et al.       | 340   | 728      | 3/9/90                        |
| JH                  | CS | 5             | 0 | 8 | 6 | 4 | 8 | 9 | 2/4/92        | Shimura            | 382   | 56       | 7/3/91                        |

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

|  |    | DOCUMENT NUMBER |  |  |  |  |  |  | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | CT |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | CU |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | CV |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

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Wise et al.

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(37 CFR 1.98(b))

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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | PATENT NUMBER |   |   |   |   |   |   |  | ISSUE<br>DATE | PATENTEE            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|---------------|---|---|---|---|---|---|--|---------------|---------------------|-------|----------|-------------------------------|
| JH                  | CZ | 5             | 0 | 9 | 1 | 7 | 2 | 1 |  | 2/25/92       | Hamori              | 340   | 727      | 12/22/88                      |
| JH                  | DA | 5             | 1 | 0 | 7 | 3 | 4 | 5 |  | 4/21/92       | Lee                 | 358   | 432      | 5/28/91                       |
| JH                  | DB | 5             | 1 | 1 | 1 | 2 | 9 | 2 |  | 5/5/92        | Kuriacose et al.    | 358   | 133      | 2/27/91                       |
| JH                  | DC | 5             | 1 | 1 | 3 | 2 | 5 | 5 |  | 5/12/92       | Nagata et al.       | 358   | 136      | 5/11/90                       |
| JH                  | DD | 5             | 1 | 2 | 2 | 8 | 7 | 3 |  | 6/16/92       | Golin               | 358   | 133      | 2/19/91                       |
| JH                  | DE | 5             | 1 | 2 | 2 | 8 | 7 | 5 |  | 6/16/92       | Raychaudhuri et al. | 358   | 133      | 2/27/91                       |
| JH                  | DF | 5             | 1 | 2 | 4 | 7 | 9 | 0 |  | 6/23/92       | Nakayama            | 358   | 133      | 2/20/90                       |
| JH                  | DG | 5             | 1 | 2 | 6 | 8 | 4 | 2 |  | 6/30/92       | Andrews et al.      | 358   | 133      | 12/26/90                      |
| previously filed    | DH | 5             | + | 2 | 9 | 0 | 5 | 9 |  | 7/7/92        | Hannah              | 395   | 466      | 1/23/91                       |
| JH                  | DI | 5             | 1 | 3 | 0 | 5 | 6 | 8 |  | 7/14/92       | Miller et al.       | 307   | 272.2    | 11/5/90                       |
| JH                  | DJ | 5             | 1 | 3 | 4 | 4 | 8 | 7 |  | 7/28/92       | Taguchi et al.      | 358   | 209      | 11/5/90                       |
| JH                  | DK | 5             | 1 | 3 | 4 | 6 | 9 | 7 |  | 7/28/92       | Scheffler           | 395   | 425      | 12/10/90                      |
| JH                  | DL | 5             | 1 | 3 | 6 | 3 | 7 | 1 |  | 8/4/92        | Savatier et al.     | 358   | 133      | 3/15/90                       |
| JH                  | DM | 5             | 1 | 4 | 2 | 3 | 8 | 0 |  | 8/25/92       | Sakagami et al.     | 358   | 432      | 10/18/90                      |
| JH                  | DN | 5             | 1 | 4 | 6 | 3 | 2 | 5 |  | 9/8/92        | Ng                  | 358   | 135      | 4/29/91                       |
| JH                  | DO | 5             | 1 | 4 | 6 | 3 | 2 | 6 |  | 9/8/92        | Hasegawa            | 358   | 135      | 11/13/90                      |

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|--|----|-----------------|--|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | DP |                 |  |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | DQ |                 |  |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | DR |                 |  |  |  |  |  |  |  |                     |                             |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

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Wise et al.

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03/07/95

GROUP

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(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | PATENT NUMBER |   |   |   |   |   |   | ISSUE<br>DATE | PATENTEE         | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|---------------|---|---|---|---|---|---|---------------|------------------|-------|----------|-------------------------------|
| JH                  | DV | 5             | 1 | 4 | 8 | 2 | 7 | 1 | 9/15/92       | Kato et al.      | 358   | 133      | 4/17/91                       |
| JH                  | DW | 5             | 1 | 4 | 8 | 5 | 2 | 4 | 9/15/92       | Harlin et al.    | 395   | 166      | 11/29/88                      |
| JH                  | DX | 5             | 1 | 5 | 1 | 8 | 7 | 5 | 9/29/92       | Sato             | 364   | 784      | 10/2/91                       |
| JH                  | DY | 5             | 1 | 5 | 9 | 4 | 4 | 9 | 10/27/92      | Allmendinger     | 358   | 136      | 12/26/91                      |
| JH                  | DZ | 5             | 1 | 6 | 4 | 8 | 1 | 9 | 11/17/92      | Music            | 358   | 13       | 4/3/91                        |
| JH                  | EA | 5             | 1 | 6 | 8 | 3 | 5 | 6 | 12/1/92       | Acampora et al.  | 358   | 133      | 12/20/91                      |
| JH                  | EB | 5             | 1 | 6 | 8 | 3 | 7 | 5 | 12/1/92       | Reisch et al.    | 358   | 432      | 9/18/91                       |
| JH                  | EC | 5             | 1 | 7 | 2 | 0 | 1 | 1 | 12/15/92      | Lauthold et al.  | 307   | 272.2    | 6/30/89                       |
| JH                  | ED | 5             | 1 | 7 | 5 | 6 | 1 | 7 | 12/29/92      | Wallace et al.   | 358   | 133      | 12/4/91                       |
| JH                  | EE | 5             | 1 | 7 | 9 | 3 | 7 | 2 | 1/12/93       | West et al.      | 340   | 799      | 3/28/91                       |
| JH                  | EF | 5             | 1 | 8 | 2 | 6 | 4 | 2 | 1/26/93       | Gersdorff et al. | 358   | 133      | 4/19/91                       |
| JH                  | EG | 5             | 1 | 8 | 4 | 1 | 2 | 4 | 2/2/93        | Molpus et al.    | 341   | 50       | 1/2/91                        |
| JH                  | EH | 5             | 1 | 8 | 5 | 8 | 1 | 9 | 2/9/93        | Ng et al.        | 382   | 56       | 4/29/91                       |
| JH                  | EI | 5             | 1 | 8 | 9 | 5 | 2 | 6 | 2/23/93       | Sasson           | 358   | 432      | 9/21/90                       |
| JH                  | EJ | 5             | 1 | 9 | 1 | 5 | 4 | 8 | 3/2/93        | Balkanski et al. | 364   | 725      | 1/3/92                        |
| JH                  | EK | 5             | 1 | 9 | 3 | 0 | 0 | 2 | 3/9/93        | Guichard et al.  | 358   | 133      | 3/25/91                       |
| JH                  | EL | 5             | 2 | 0 | 1 | 0 | 5 | 6 | 4/6/93        | Daniel et al.    | 395   | 800      | 5/2/90                        |

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|--|----|-----------------|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | EM |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | EN |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | EO |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |

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~~08/100,397~~ 09/30723INFORMATION DISCLOSURE  
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Wise et al.

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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | PATENT NUMBER |   |   |   |   |   |   | ISSUE<br>DATE | PATENTEE         | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|---------------|---|---|---|---|---|---|---------------|------------------|-------|----------|-------------------------------|
| JH                  | ER | 5             | 2 | 0 | 2 | 8 | 4 | 7 | 4/13/93       | Bolton et al.    | 364   | 725      | 7/31/90                       |
| JH                  | ES | 5             | 2 | 1 | 2 | 5 | 4 | 9 | 5/18/93       | Ng et al.        | 358   | 135      | 6/16/92                       |
| JH                  | ET | 5             | 2 | 1 | 2 | 7 | 4 | 2 | 5/18/93       | Normile et al.   | 382   | 56       | 5/24/91                       |
| JH                  | EU | 5             | 2 | 1 | 4 | 5 | 0 | 7 | 5/25/93       | Aravind et al.   | 358   | 133      | 11/8/91                       |
| JH                  | EV | 5             | 2 | 1 | 6 | 7 | 2 | 4 | 6/1/93        | Suzuki et al.    | 382   | 7        | 8/28/92                       |
| JH                  | EW | 5             | 2 | 2 | 3 | 9 | 2 | 6 | 6/29/93       | Stone et al.     | 358   | 133      | 12/19/91                      |
| JH                  | EX | 5             | 2 | 2 | 7 | 8 | 7 | 8 | 7/13/93       | Puri et al.      | 358   | 136      | 11/15/91                      |
| JH                  | EY | 5             | 2 | 2 | 8 | 0 | 9 | 8 | 7/13/93       | Crinon et al.    | 382   | 56       | 6/14/91                       |
| JH                  | EZ | 5             | 2 | 2 | 9 | 8 | 6 | 3 | 7/20/93       | Kao et al.       | 358   | 426      | 12/24/90                      |
| JH                  | FA | 5             | 2 | 3 | 1 | 4 | 8 | 4 | 7/27/93       | Gonzales et al.  | 358   | 133      | 11/8/91                       |
| JH                  | FB | 5             | 2 | 3 | 1 | 4 | 8 | 6 | 7/27/93       | Acampora et al.  | 358   | 133      | 7/27/92                       |
| JH                  | FC | 5             | 2 | 3 | 3 | 4 | 2 | 0 | 8/3/93        | Piri et al.      | 358   | 149      | 4/10/85                       |
| JH                  | FD | 5             | 2 | 3 | 3 | 6 | 9 | 0 | 8/3/93        | Sherlock et al.  | 395   | 165      | 7/28/89                       |
| JH                  | FE | 5             | 2 | 3 | 7 | 4 | 1 | 3 | 8/17/93       | Israelsen et al. | 358   | 160      | 11/19/91                      |
| JH                  | FF | 5             | 2 | 4 | 1 | 2 | 2 | 2 | 8/31/93       | Small et al.     | 307   | 449      | 12/20/91                      |
| JH                  | FG | 5             | 2 | 4 | 1 | 3 | 8 | 3 | 8/31/93       | Chen et al.      | 358   | 136      | 5/13/92                       |

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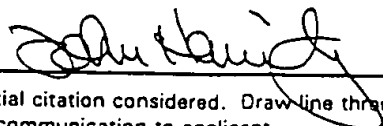
|  |    | DOCUMENT NUMBER |  |  |  |  |  |  | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | FH |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | FI |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | FJ |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

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| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary) |  | APPLICANT<br>Wise et al.                     |   |
| (37 CFR 1.98(b))  |  | FILING DATE<br>03/07/95                      | GROUP<br>281T-2202 2783                       |

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| EXAMINER<br>INITIAL |    | PATENT NUMBER |   |   |   |   |   |   | ISSUE<br>DATE | PATENTEE           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|---------------|---|---|---|---|---|---|---------------|--------------------|-------|----------|-------------------------------|
| JH                  | FN | 5             | 2 | 4 | 1 | 6 | 5 | 8 | 8/31/93       | Masterson et al.   | 395   | 162      | 8/21/90                       |
| JH                  | FO | 5             | 2 | 4 | 7 | 6 | 1 | 2 | 9/21/93       | Quinard            | 395   | 166      | 6/29/90                       |
| JH                  | FP | 5             | 2 | 4 | 9 | 1 | 4 | 6 | 9/28/93       | Uramoto et al.     | 364   | 725      | 3/20/92                       |
| JH                  | FQ | 5             | 2 | 5 | 3 | 0 | 5 | 8 | 10/12/93      | Gharavi            | 358   | 136      | 4/1/92                        |
| JH                  | FR | 5             | 2 | 5 | 3 | 0 | 7 | 8 | 10/12/93      | Balkanski et al.   | 358   | 426      | 8/23/90                       |
| JH                  | FS | 5             | 2 | 5 | 7 | 2 | 1 | 3 | 10/26/93      | Kim et al.         | 364   | 725      | 5/30/91                       |
| JH                  | FT | 5             | 2 | 5 | 7 | 2 | 2 | 3 | 10/26/93      | Dervisoglu         | 365   | 154      | 11/13/91                      |
| JH                  | FU | 5             | 2 | 5 | 7 | 3 | 5 | 0 | 10/26/93      | Howard et al.      | 395   | 162      | 12/13/91                      |
| JH                  | FV | 5             | 2 | 5 | 8 | 7 | 2 | 5 | 11/2/93       | Kinoshita          | 331   | 17       | 10/4/91                       |
| JH                  | FW | 5             | 2 | 6 | 0 | 7 | 8 | 1 | 11/9/93       | Soloff et al.      | 358   | 133      | 5/20/92                       |
| JH                  | FX | 5             | 2 | 6 | 0 | 7 | 8 | 2 | 11/9/93       | Hui                | 358   | 133      | 8/31/92                       |
| JH                  | FY | 5             | 2 | 6 | 1 | 0 | 4 | 7 | 11/9/93       | Rivshin            | 395   | 163      | 10/29/91                      |
| JH                  | FZ | 5             | 2 | 6 | 3 | 1 | 3 | 6 | 11/16/93      | DeAguiar et al.    | 395   | 164      | 4/30/91                       |
| JH                  | GA | 5             | 2 | 6 | 7 | 3 | 3 | 4 | 11/30/93      | Normille et al.    | 382   | 56       | 1/21/93                       |
| JH                  | GB | 5             | 2 | 7 | 6 | 5 | 1 | 3 | 1/4/94        | van der Wal et al. | 358   | 136      | 6/10/92                       |
| JH                  | GC | 5             | 2 | 7 | 6 | 6 | 8 | 1 | 1/4/94        | Tobagi et al.      | 370   | 85.4     | 6/25/92                       |

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|  |    | DOCUMENT NUMBER |  |  |  |  |  |  | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | GD |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | GE |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | GF |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |

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~~09/400,307~~ 09/307,239INFORMATION DISCLOSURE  
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Wise et al.

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|---------------------|----|---------------|---|---|---|---|---|---|---------------|------------------|-------|----------|-------------------------------|
| JH                  | GJ | 5             | 2 | 7 | 6 | 7 | 8 | 4 | 1/4/94        | Ohki             | 395   | 127      | 12/17/91                      |
| JH                  | GK | 5             | 2 | 7 | 8 | 5 | 2 | 0 | 1/11/94       | Parker et al.    | 331   | 1A       | 10/26/92                      |
| JH                  | GL | 5             | 2 | 7 | 8 | 6 | 4 | 6 | 1/11/94       | Civanlar et al.  | 358   | 133      | 3/17/93                       |
| JH                  | GM | 5             | 2 | 7 | 8 | 6 | 4 | 7 | 1/11/94       | Hingorani et al. | 358   | 136      | 8/5/92                        |
| JH                  | GN | 5             | 2 | 8 | 3 | 6 | 4 | 6 | 2/1/94        | Bruder           | 348   | 415      | 4/9/92                        |
| JH                  | GO | 5             | 2 | 8 | 7 | 1 | 7 | 8 | 2/15/94       | Acampora et al.  | 348   | 384      | 7/6/92                        |
| JH                  | GP | 5             | 2 | 8 | 7 | 1 | 9 | 3 | 2/15/94       | Lin              | 358   | 261.1    | 6/14/91                       |
| JH                  | GQ | 5             | 2 | 8 | 7 | 4 | 2 | 0 | 2/15/94       | Barrett          | 382   | 56       | 4/8/92                        |
| previously filed    | GR | 5             | 2 | 8 | 9 | 2 | 7 | 6 | 2/22/94       | Siracusa et al.  | 348   | 467      | 6/10/92                       |
| previously filed    | GS | 5             | 2 | 8 | 9 | 5 | 7 | 7 | 2/22/94       | Gonzales et al.  | 395   | 463      | 6/1/92                        |
| JH                  | GT | 5             | 2 | 9 | 3 | 2 | 2 | 9 | 3/8/94        | Iu               | 348   | 415      | 3/27/92                       |
| JH                  | GU | 5             | 2 | 9 | 4 | 8 | 9 | 4 | 3/15/94       | Gebara           | 331   | 1A       | 10/2/92                       |
| JH                  | GV | 5             | 2 | 9 | 8 | 8 | 9 | 6 | 3/29/94       | Lai et al.       | 341   | 51       | 3/15/93                       |
| JH                  | GW | 5             | 2 | 9 | 8 | 9 | 9 | 2 | 3/29/94       | Pietras et al.   | 348   | 415      | 10/8/92                       |
| JH                  | GX | 5             | 2 | 9 | 9 | 0 | 2 | 5 | 3/29/94       | Shirasawa        | 358   | 400      | 6/25/92                       |
| JH                  | GY | 5             | 3 | 0 | 0 | 9 | 4 | 9 | 4/5/94        | Rodriguez et al. | 345   | 202      | 10/22/92                      |

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|  |    | DOCUMENT NUMBER |  |  |  |  |  |  | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | GZ |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | HA |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | HB |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |

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|--|----|--|
|  | HC |  |
|  | HD |  |
|  | HE |  |

EXAMINER

*John Kung*

DATE CONSIDERED

11/21/96

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(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
PDDD P941004(E)USC1CIP

SERIAL NO.

~~08/100,397~~

09/30/239

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
Wise et al.

(Use several sheets if necessary)

(37 CFR 1.98(b))

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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | PATENT NUMBER |   |   |   |   |   |   | ISSUE<br>DATE | PATENTEE            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|---------------|---|---|---|---|---|---|---------------|---------------------|-------|----------|-------------------------------|
| JH                  | HF | 5             | 3 | 0 | 1 | 0 | 1 | 9 | 4/5/94        | Citta               | 348   | 416      | 9/17/92                       |
| JH                  | HG | 5             | 3 | 0 | 1 | 0 | 3 | 2 | 4/5/94        | Hong et al.         | 358   | 261.2    | 12/4/92                       |
| JH                  | HH | 5             | 3 | 0 | 1 | 0 | 4 | 0 | 4/5/94        | Hoshi et al.        | 358   | 465      | 4/22/92                       |
| JH                  | HI | 5             | 3 | 0 | 1 | 1 | 3 | 6 | 4/5/94        | McMillan, Jr et al. | 364   | 725      | 7/27/93                       |
| previously filed    | HJ | 5             | 3 | 0 | 1 | 2 | 4 | 2 | 4/5/94        | Gonzalez et al.     | 382   | 56       | 8/31/92                       |
| JH                  | HK | 5             | 3 | 0 | 1 | 2 | 7 | 2 | 4/5/94        | Atkins              | 395   | 165      | 11/25/92                      |
| JH                  | HL | 5             | 3 | 0 | 3 | 3 | 4 | 2 | 4/12/94       | Edge                | 395   | 164      | 12/22/92                      |
| JH                  | HM | 5             | 3 | 0 | 4 | 9 | 5 | 3 | 4/19/94       | Heim et al.         | 331   | 1A       | 6/1/93                        |
| JH                  | HN | 5             | 3 | 0 | 5 | 4 | 3 | 8 | 4/19/94       | MacKay et al.       | 395   | 164      | 5/19/92                       |
| JH                  | HO | 5             | 3 | 0 | 9 | 5 | 2 | 7 | 5/3/94        | Ohki                | 382   | 56       | 1/15/92                       |
| JH                  | HP | 5             | 3 | 1 | 1 | 3 | 0 | 9 | 5/10/94       | Ersoz et al.        | 348   | 409      | 5/30/91                       |
| JH                  | HQ | 5             | 3 | 5 | 1 | 0 | 4 | 7 | 9/27/94       | Behlen              | 341   | 67       | 9/21/92                       |
|                     | HR |               |   |   |   |   |   |   |               |                     |       |          |                               |
|                     | HS |               |   |   |   |   |   |   |               |                     |       |          |                               |

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|  |    | DOCUMENT NUMBER |  |  |  |  |  |  | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | HT |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | HU |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | HV |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |

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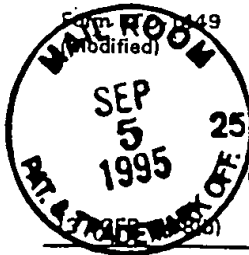
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|  | HW |  |
|  | HX |  |
|  | HY |  |

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PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
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PODD P941004(EPI)USC1CIP

SERIAL NO.

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APPLICANT  
Wise et al.FILING DATE  
3/7/95

GROUP

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|---------------------|----|---------------|---|---|---|---|---|---|---------------|----------------------|-------|----------|----------------------------------|
| JH                  | AA | 3             | 9 | 6 | 2 | 6 | 8 | 5 | 6/76          | Belle-Isle           | 340   | 172.5    | —                                |
| JH                  | AB | 4             | 1 | 4 | 9 | 2 | 4 | 2 | 4/79          | Pirz                 | 364   | 200      | —                                |
| JH                  | AC | 4             | 7 | 8 | 9 | 9 | 2 | 7 | 12/88         | Hannah               | 364   | 200      | —                                |
| JH                  | AD | 4             | 8 | 2 | 3 | 2 | 0 | 1 | 4/18/89       | Simon et al.         | 358   | 133      | —                                |
| JH                  | AE | 4             | 8 | 6 | 6 | 6 | 3 | 7 | 9/12/89       | Gonzalez-Lopez et al | 364   | 518      | —                                |
| JH                  | AF | 5             | 1 | 2 | 9 | 0 | 5 | 9 | 7/7/92        | Hannah               | 395   | 166      | —                                |
| JH                  | AG | 5             | 2 | 8 | 9 | 2 | 7 | 6 | 2/22/94       | Siracusa et al.      | 348   | 467      | —                                |
| JH                  | AH | 5             | 2 | 8 | 9 | 5 | 7 | 7 | 2/22/94       | Gonzales et al.      | 395   | 163      | —                                |
| JH                  | AI | 5             | 3 | 0 | 1 | 2 | 4 | 2 | 4/5/94        | Gonzales et al.      | 382   | 56       | —                                |
|                     | AJ |               |   |   |   |   |   |   |               |                      |       |          |                                  |

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|  |    | DOCUMENT NUMBER |  |  |  |  |  |  | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|--|--|--|--|--|--|---------------------|-----------------------------|-------|----------|-------------|----|
|  |    |                 |  |  |  |  |  |  |                     |                             |       |          | YES         | NO |
|  | AK |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | AL |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |
|  | AM |                 |  |  |  |  |  |  |                     |                             |       |          |             |    |

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| JH | AO | Komori et al., "An Elastic Pipeline Mechanism By Self-Timed Circuits, IEEE Journal Of Solid-State Circuits, Vol. 23, No. 1, 2/88, New York, NY, USA, pp. 111-117 |
|    | AP |  |

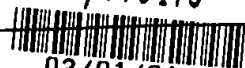
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09/773473



Wise at 01/01

09/307239

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Application No.

~~88/400,297~~

Applicant(s)

Examiner

John Harrity

Group Art Unit

278-302

Page 1 of 1

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| B | 5,421,028    | 5/95  | Swanson     | 395   | 800      |
| C | 5,122,948    | 6/92  | Zapolin     | 384   | 131      |
| D |              |       |             |       |          |
| E |              |       |             |       |          |
| F |              |       |             |       |          |
| G |              |       |             |       |          |
| H |              |       |             |       |          |
| I |              |       |             |       |          |
| J |              |       |             |       |          |
| K |              |       |             |       |          |
| L |              |       |             |       |          |
| M |              |       |             |       |          |

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| O |              |      |         |      |       |          |
| P |              |      |         |      |       |          |
| Q |              |      |         |      |       |          |
| R |              |      |         |      |       |          |
| S |              |      |         |      |       |          |
| T |              |      |         |      |       |          |

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| W   |   |          |
| X   |   |          |